

WHAT IS CLAIMED IS:

1. A magnetic encoder which is used in a wheel bearing, that forms a pulse train by means of a magnetic force, and generates a code, comprising:

a magnetic ring, a reinforcing ring, and a protecting cover, characterized that:

said magnetic ring is fixed to said reinforcing ring and circumferentially magnetized with alternate S poles and N poles,

said protecting cover is made of a non-magnetic material and wraps around said magnetic ring, and

a plural number of weld-adhering parts are provided between an end part and/or end parts on a radial inner circumferential side and/or a radial outer circumferential side of said protecting cover, and said reinforcing ring.

2. A magnetic encoder according to claim 1, wherein the weld-adhering part is formed by weld-adhering an end part and/or end parts on a radial inner circumferential side and/or a radial outer circumferential side of the protecting cover to the reinforcing ring by micro-spot welding using the laser light.

3. A magnetic encoder according to claim 1, wherein the weld-adhering part is formed by weld-adhering an end part and/or end parts on a radial inner circumferential side and/or a radial outer circumferential side of the protecting cover to the reinforcing ring with YAG laser.